

# INDEX

## SUBJECTS

### A

- Abstract of the Proceedings of the Seventy-Ninth Annual Meeting of the American Laryngological Association .....2098
- A Case of Unusual Congenital Fistula of the Auricle,—Kehane, J. ....63
- Acetylcholinesterase and the Olivo-Cochlear Tract of Rasmussen (Abstract),—Schuknecht, H. F.....627
- ✓A Clinical Look at Progress in Evaluation of Hearing Function,—Guilford, F. R., and Haug, Olaf .....1313
- A Comparison of Picture Response and Hand-Raising Techniques for Pure Tone Audiometry with Young Children,—Siegenthaler, B. M., and Kaplan, Harriett.....548
- Addenda,—Guilford, F. R., and Haug, Olaf .....1313
- Adenoidectomy, A Technical Aid in,—Obregon, G. ....73
- A Device for Intra-Esophageal and Other Intra-Lumen Pressure Recording,—Field, A. S., Jr.....1160
- A Guide for Stapes Surgery Based on a New Surgical Classification of Otosclerosis,—Bellucci, R. J.....741
- ✓A Laboratory Method for the Study of Acoustic Trauma,—Eldredge, D. H., and Covell, W. P. ....465
- American Laryngological Association, Abstract of the Proceedings of the Seventy-Ninth Annual Meeting of the .....2098
- Anatomical Discussion of the Paper Given by Dr. R. Galambos on "Neural Mechanism in Audition"—Rasmussen, G. L. ....404
- Anatomical Observations for Rhinoplastic Surgery,—Luongo, R. A., and Luongo, R. A., Jr.....1076
- An Attempted Synthesis of Psycho-Acoustic Test Data in the Audiological Clinic,—Harris, J. D.....527
- An Electrophysiologic Procedure for Determination of Auditory Threshold in Children,—Goldstein, R., and Withrow, F. B., Jr. ....1074
- Anesthesia Methods for Bronchoscopy and Their Usefulness in Practice,—Knudsen, E. J.; Rasmussen, H.; Ruben H., and Traon-Pedersen, P.....133
- Anesthesia, Topical, for Bronchoscopy,—McKinney, J. R.....1814
- An Objective Approach to the Complaint, Lump in the Throat,—Henry, G. A.....1257
- Applications and Limitations of Auditory Tests in Surgery of the Stapes,—Rosen, S., and Bergman, Moe .....629
- A Study of the Relationship of Air Pressure to Myringorupture,—Keller, A. P., Jr. ....2015
- A Technique of Tympanoplasty (Tympanomalleolar Stapediopexy),—Bell, H. L.....883
- Atticotomy in Chronic Otitis Media with Central Perforation,—Henner, R., and Jeanette, Colette .....780
- Aural-Harmonic and Bone Conduction Thresholds in the Evaluation of Cochlear Reserve in Clinical Otosclerosis,—Yantis, P. A., and Magielski, J. E.....159
- A Technical Aid in Adenoidectomy,—Obregon, G. ....73
- Audiologic Findings in Central Nerve Deafness,—De Sa, Geraldo.....309
- Audiology, International Conference on, .....209

### III.

## IV.

## INDEX.

- Audiometry in Diagnosis,—Carhart, Raymond .....253
- Auditory Canal, Osteoma of the External,—Sheehy, J. L. ....1667
- Auditory Fatigue and Occupational Deafness,—Van Dishoeck, H. A. E., and Spoor, A. ....645
- Auditory Threshold in Children, An Electrophysiologic Procedure for Determination of,—Withrow, F. B., Jr., and Goldstein, R. ....1674
- Auricle, A Case of Congenital Fistula of the,—Keohane, J. ....63

## B

- Basic Techniques in Myringoplasty and Tympanoplasty,—Guilford, F. R., and Wright, W. K. ....825
- Behavior of the Neuroglia of the Acoustic Nuclei, Subcortical Centers and Auditory Cortex of Cats Intoxicated with Dihydrostreptomycin,—De Sa, Geraldo. ....571
- Bell's Palsy, Medical and Surgical Treatment of,—Fowler, E. P., Jr. ....1655
- Bleeding and Clotting Time Tests, The Routine. Their Medical-legal Status,—Fletcher, R. ....1087
- Bronchoscopy, Anesthesia Methods for, and Their Usefulness in Practice,—Knudsen, E. J.; Rasmussen, H.; Ruben, H., and Traun-Pederson, P. ....133
- glottic Subtotal Laryngectomy and Radical Neck Dissection for,—Ogura, J. H. ....983
- Carcinoma of External Ear Canal: Transitional Cell Type Squamous Cell,—Mehra, Y. N. ....1983
- Carcinoma of the Larynx. Contralateral Metastasis in Lesions Approaching the Midline,—Jesberg, Norman .....1251
- Carcinoma of Mouth, Pharynx and Nasopharynx, Cytologic Diagnosis and Prognosis in,—Hopp, E. S. ....1281
- Cancer of the Thyroid, Does Irradiation of Infants and Children Cause?—Baron, S. H. ....1267
- Carotid Body Tumors. Report of One Case.—Montreuil, Fernand. ....1191
- Chisels in Stapes Mobilization, Results with,—Schuknecht, H. F.; Graham, A. B., and Costello, Mary R. ....726
- Choanal Atresia, Congenital Bilateral Complete,—Rubin, J. A. ....2094
- Cholesteatoma of the Skull. Pseudo-Vertigo from,—Baron, S. H. ....1104
- Cleft Palate Patients. Otologic Evaluation in,—Skolnik, E. M. ....1908
- Clinical Aspects of Cortical Deafness,—Bocca, Ettore .....301
- Clinical Bone Conduction Audiometry at the Frontal Bone (Abstract),—Naunton, R. F. ....671

## C

- Cancer of the Larynx and Pharynx,—Work, W. P. ....1544
- Cancer of the Larynx. Report of an Advanced Case Surviving 22 Years,—Hammond, A. E. ....876
- Cancer of the Nasopharynx and Oropharynx,—Hilger, J. A. ....1532
- Cannula, Eustachian Tube Biopsy,—Muftic, M. K. ....131
- Case of Tracheo-Malacia Following Removal of Adenoma of Thyroid Gland,—Kassay, Dezso .....1451
- Carcinoma of the Epiglottis, Supra-
- Clinical Discussion of the Paper "Neural Mechanism in Audition" by Dr. R. Galambos,—Riesco, J. S. MacClure .....406
- Clinical Discussion (Neurosurgery) of Paper on the Function of the Auditory Cortex by Dr. W. D. Neff.—King, R. B. ....424
- Clinical Experiences in Tympanoplasty. Results of Sixty-One Cases,—House, L. R. ....1481
- Cochlea, Pendulums, Traveling Waves and the,—v. Bekesy, G. ....317
- Cochlear Reserve, Aural-Harmonic

# INDEX.

V.

and Bone Conduction Thresholds in the Evaluation of, in Clinical Otosclerosis,—Yantis, P., and Magielski, J. E. ....	159	Developmental Anatomy of the Temporal Bone and Auditory Ossicles in Relation to Some Problems in Endaural Surgery,—Anson, B. J., and Bast, T. H. ....	1380
Cochlear vs. Retrocochlear Lesions,—Palva, T. ....	288	Diagnosis and Management of Chemical Burns of the Esophagus,—Waggoner, L. G. ....	1790
Combined Nutritional and Psychosomatic Management of Mucosal Disease. The Stress Concept Applied to the Treatment of Ear, Nose and Throat Diseases,—Currier, W. D. ....	1819	Difference Limen of Intensity in Hearing Impairment Due to Cranio-cerebral Injury,—Hormia, A. L. ....	808
Comments on a Fourth Year of Training for Certification in Otolaryngology,—Hoople, G. D. ....	1579	Differential Salpingoscope: A New Device for Tubal Auscultation,—Arnold, G. E. ....	1978
Congenital Bilateral Complete Bony Choanal Atresia,—Rubin, J. A. ....	2094	Direct Audiometry in Audiosurgery (Abstract),—Antoli-Candela, Francisco; Antoli-Candela, Fernando; Olaiola, F., and Saft, L. ....	635
Congenital Stapes Footplate Fixation. A Preliminary Report of Twenty-Three Operated Cases,—House, H. P.; House, W. F., and Hildyard, V. H. ....	1389	Discussion of Function of Auditory Cortex by W. D. Neff,—Tunturi, A. R. ....	419
Controversial Aspects of the Treatment of Laryngeal Keratosis,—Priest, R. E. ....	766	Discussion of Dr. Lawrence's Paper on Process of Sound Conduction,—von Gierke, H. E. ....	347
Convulsions, Procaine,—Keohane, John ....	2096	Disease, Mucosal, Combined Nutritional and Psychosomatic Management of. The Stress Concept Applied to the Treatment of Ear, Nose and Throat Diseases,—Currier, W. D. ....	1819
Cranio-cerebral Injury Difference Limen of Intensity in Hearing Impairment Due to,—Hormia, A. L. ....	808	Diseases, Rhinologic, Rhinomanometry in Some,—Ogura, J. H., and Stokstead, Poul ....	2001
Cysts, Dermoid, of the Nasal Dorsum. Rhinoplastic Approach for. Report of Three Cases,—Riggs, R. H. ....	699	Disease, Temporal Bone. Four Unusual Cases of,—DeWeese, D. D. ....	1028
Cytologic Diagnosis and Prognosis in Carcinoma of the Mouth, Pharynx and Nasopharynx,—Hopp, E. S. ....	1281	Does Irradiation in Children Cause Cancer of the Thyroid?—Baron, S. H. ....	1267
<b>D</b>		Drugs, The Wonder, a Psychosocial Phenomenon,—Coleman, L. L. ....	907
DC Potentials of the Membranous Labyrinth (Abstract),—Smith, C. A.; Davis, Hallowell, and Gesert, C. F. ....	595	Dysphonia, Dysplastic, Minor Anomalies of the Vocal Cords Causing Persistent Hoarseness,—Arnold, G. E. ....	142
Dermatoses of External Auditory Canal. Preliminary Report on the Pathogenesis,—Jones, E. H., and Norman, T. D. ....	839	Dysplastic Dysphonia: Minor Anomalies of the Vocal Cords	

Causing Persistent Hoarseness,—Arnold, G. E. ....142

## E

Ear, External. Studies of Factors Considered Responsible for Diseases of the. I. Survival of Exogenous Bacteria in the External Auditory Canal Under Varied Conditions,—Senturia, B. H., and Carr, C. D. ....2052

Ear, Intra-Aural Muscle Contraction in Man Examined by Measuring Impedance of the Ear,—Møller, A. R. ....48

Ear Protection,—Zwislocki, J. ....486

Early Experience with Tympanoplasty (Wullstein Technique),—Lewis, M. L. ....900

Effect of Hormones on Hypogammaglobulinemia,—Dolowitz, D. A.; Dougherty, T. F., and Higginbotham, R. D. ....1182

Effects of Ambient Noise on Speaker Intelligibility of Words and Phrases,—Dreher, J. J., and O'Neill, J. J. ....539

Effusion, Middle Ear Systemic Factors,—Davison, F. W. ....1228

Electromyographic Study on Respiratory Movements of the Intrinsic Laryngeal Muscles,—Nakamura, F.; Uyeda, Y., and Sonoda, Y. ....109

Endaural Surgery, Developmental Anatomy of the Temporal Bone and Auditory Ossicles in Relation to Some Problems in,—Anson, B. J., and Bast, T. H. ....1380

Epithelioma of Malherbe, Mummified Epidermal Cyst: Calcified, Report of a Case,—Greenberg, S. D., and LeJeune, F. E., Jr. ....1706

Esophagus, Diagnosis and Management of Chemical Burns of the,—Waggoner, L. G. ....1790

Establishment of Criteria Based on the Concept of Noise Exposure,—Rosenblith, W. A. ....497

Evaluation of the Orthopedic Septo

Columellar Suture in Rhinoplasty,—Fred, G. B. ....1700

Eustachian Tube Biopsy Canula,—Muftic, M. K. ....131

Experiences in the Treatment of the Allergic Nasal Polyp by the Intrapoly Injection of Prednisolone T.B.A.,—Myers, David .....1

Experimental Observations on Squamous Metaplasia of the Trachea,—Correll, N. O., and Beattie, E. J., Jr. ....1036

Experimental Studies in Fixation of the Stapes and Fenestra Ovalis,—Fernandez, Cesar; Allen, G. W., and Lindsay, J. R. ....1881

External Auditory Canal, Studies of Factors Considered Responsible for Diseases of the. II. Evaluation of Temperature and Humidity as They Influence the Amount of Ether Soluble Substances in the External Auditory Canal,—Baumann, Elizabeth S.; Gessert, C. F., and Senturia, B. H. ....2080

## F

Falling Sickness, Julius Caesar and the,—Cawthorne, Terence....1442

Fistula, Congenital, of Auricle, A Case of Unusual,—Keohane, J. ....63

Fixation of Fractures in the Middle Third of the Face, with Kirschner Wires,—Harris, H. H. ....95

Fractures in Middle Third of the Face, with Kirschner Wires, Fixation of,—Harris, H. H. ....95

Four Unusual Cases of Temporal Bone Disease,—DeWeese, D. D. ....1028

Functions of the Auditory Cortex,—Neff, W. D. ....413

Further Contributions to the E.E.G. Method of Evaluating Auditory Function,—Derbyshire, A. J., and McDermott, M. ....558

## G

General Anesthesia in Bronchoscopy, Esophagoscopy and Laryn-

- geal Surgery Employing the Emerson "Raincoat" Respirator,—Shane, S. M.; Ashman, H.; Welfield, A.; Synder, J.; Michel-son, E., and Navratil, D. ....25
- Hearing Function, A Clinical Look at Progress in Evaluation of,—Guliford, F. R., and Haug, Olaf...1313
- Hearing in Children—Panel Dis-  
cussion .....218
- Hearing Loss in Industry,—Glorig,  
Aram; Grings, W., and Summer-  
field, Anne .....447
- Histologically Malignant Glomus  
Jugulare Tumor (Case Re-  
port),—Hoople, G. D.; Bradley,  
W. H.; Stoner, L. R., and Brew-  
er, D. W. ....760
- Hoarseness, Minor Anomalies of  
the Vocal Cords Causing Persist-  
ent: Dysplastic Dysphonia,—  
Arnold, G. E. ....142
- Hormones, Effect of, on Hypogam-  
maglobulinemia,—Dolowitz, D.  
A.; Dougherty, T. F., and Hig-  
ginbotham, R. D. ....1182
- How Do You Go About Making a  
Diagnosis in Some of the More  
Important Rhinologic Deformi-  
ties?—Owens, Harold .....1515
- Hypogammaglobulinemia, Effect  
of Hormones on,—Dolowitz, D.  
A.; Dougherty, T. F., and Hig-  
ginbotham, R. D. ....1182
- I
- Intermittent Parotid Swelling Due  
to Ill-Fitting Dentures. An En-  
tity; Its Diagnosis and Treat-  
ment,—Furstenberg, A. C., and  
Blatt, I. M. ....1165
- International Conference on Audi-  
ology .....209
- Intra-Aural Muscle Contraction in  
Man, Examined by Measuring  
Acoustic Impedance of the  
Ear,—Moller, A. R. ....48
- Irradiation, of Infants and Chil-  
dren, Cause Cancer of the Thy-  
roid, Does,—Baron, S. H. ....1267
- Irrigation of the Maxillary Sinus  
Through the Middle Meatus,—  
Myerson, M. C. ....1555
- J
- Julius Caesar and the Falling  
Sickness,—Cawthorne, Terence...1442
- K
- Keratosis, Controversial Aspects of  
the Treatment of Laryngeal,—  
Priest, R. E. ....766
- L
- Laryngectomy, Supraglottic Sub-  
total, and Radical Neck Dissec-  
tion for Carcinoma of the Epi-  
glottis,—Ogura, J. H. ....983
- Laryngectomy, Technique of Ex-  
tended Fronto-Lateral Parietal,—  
Norris, C. M. ....1240
- Laryngitis, Polypoid, The Treat-  
ment of,—Lowenthal, G. ....1095
- Laryngologic Experience in Bulbar  
Poliomyelitis,—Lebo, C. P. ....2030
- Larynx, Cancer of the, Report of  
an Advanced Case Surviving 22  
Years,—Hammond, A. E. ....876
- Larynx, Carcinoma of the, Contra-  
lateral Metastasis in Lesions Ap-  
proaching the Midline,—Jesberg,  
Norman .....1251
- Larynx, Review of Available Liter-  
ature on, for 1957,—LeJeune, F.  
E., and Lynch, Mercer .....1841
- Larynx, The Management of Hy-  
perkeratosis of the,—Cracovaner,  
A. J. ....1494
- Lesions, Benign, of the Vocal  
Cords. Pathology of Three Hun-  
dred Clinically,—Fitz-Hugh, G.  
S.; Smith, D. E., and Chiong,  
A. T. ....855
- Lesions, Paraorbital,—Harbert, F...907
- Lump in the Throat, An Objective  
Approach to the Complaint,—  
Henry, G. A. M. ....1257
- Malformations and Anatomical

## VIII.

## INDEX.

- Variations in the Middle Ear During the Operation for Mobilization of the Stapes,—Hough, J. D. V. ....1337
- Management of Sinusitis in Children,—Lake, C. F. ....1069
- Mastoidectomies, A Comparative Study of 76 Tympanoplasties Contrasted with Modified Radical and Radical. Results of Tympanoplasties, — Proctor, Bruce .....888
- Mastoid Wound, Primary Closure of the. A Technique to Eliminate Postoperative Care,—Rambo, J. H. T. ....1216
- Medical and Surgical Treatment of Bell's Palsy,—Fowler, E. P., Jr. ....1655
- Meniere's Disease,—Walsh, T. E. ....279
- Metaplasia, Squamous of the Trachea, Experimental Observations on,—Correll, N. O., and Beattie, E. J., Jr. ....1036
- Middle Ear Effusion, Systemic Factors,—Davison, F. W. ....1228
- Modern Criteria for Diagnosis and Therapy of Malignant Disease in the Upper Respiratory Tract,—Conley, J. J. ....1549
- Modifications of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction,—Davis, H.; Deatherage, B. H.; Fernandez, C.; Kimura, R.; Smith, C. A., and Rosenblut, B. ....596
- Mummified Epidermal Cyst: Calcified Epithelioma of Malherbe. Report of a Case,—Greenberg, S. D., and LeJeune, F. E. Jr. ....1706
- Muscle, Cricopharyngeus, The Motor Activity of the,—Kirchner, J. A. ....1119
- Muscles, Laryngeal, Electromyographic Study on Respiratory Movements of the Intrinsic,—Nakamura, F.; Uyeda, Y., and Sonoda, Y. ....109
- Myringoplasty and Tympanoplasty, Basic Techniques in,—Guilford, F. R., and Wright, W. K. ....825
- Myringorupture, A Study of the Relationship of Air Pressure to,—Keller, A. P., Jr. ....2015
- N**
- Nasopharynx and Adenoids, Soft Tissue Roentgenography of the,—Goldman, J. L., and Bachman, A. L. ....1288
- Nebulizing Agents in the Treatment of Laryngeal Conditions. The Use of Antibiotic Steroids as. A Preliminary Report,—Silverblatt, B. L. ....1081
- Nerve Deafness, Audiologic Findings in Central,—De Sa, Geraldo. ....309
- Neurally Isolated Cochlea (Abstract),—Lowy, Karl, and Gerall, A. A. ....628
- Neural Mechanisms in Audition,—Galambos, Robert .....388
- New Concepts in Correlation of Surgical Anatomy and Embryology in Lateral Cervical Vestigial Structures,—Himalstein, M. R. ....1727
- Noise-Induced Hearing Loss, Diagnosis, Presbycusis, Susceptibility,—Hoople, G. D. ....477
- Noise in Industry,—Cox, J. R. ....440
- Nystagmograph for Clinical Use,—Guillemin, V., Jr., and Torok, N. ....120
- O**
- Observations and Considerations About the Cochlear Innervation of the Cat,—Contu, Paolo .....586
- Office Closure of Tympanic Perforations, A New Approach,—Juers, A. L. ....1207
- Osteoma of the External Auditory Canal,—Sheehy, J. L. ....1667
- Osteotomy, Stapedio-Vestibular in Otosclerosis,—Portmann, M., and Claverie, G. ....797
- Otolaryngology, Comments on a Fourth Year of Training for Certification in,—Hoople, G. D. ....1579

# INDEX.

IX.

Otologic Evaluation in Cleft Palate Patients,—Skolnik, E. M. ....1908

Ototoxicity, Report of a Recent Study on Dihydrostreptomycin,—Glorig, Aram .....1013

## P

Panel Discussion—Hearing in Children .....218

Paralysis, Facial Nerve, A Test of Chorda Tympani Nerve Function as an Aid in Diagnosis and Prognosis of,—Magielski, J. E., and Blatt, I. M. ....1770

Paraorbital Lesions,—Harbert, F. ....907

Paresis, Problems in the Diagnosis of Pharyngeal,—Kirchner, J. A. ....1641

Parotid Swelling, Intermittent, Due to Ill-Fitting Dentures. An Entity: Its Diagnosis and Treatment,—Furstenberg, A. C., and Blatt, I. M. ....1165

Pathology of Three Hundred Clinically Benign Lesions of the Vocal Cords,—Fitz-Hugh, G. S.; Smith, D. E., and Chiong, A. T. ....855

Perceptive Hearing Loss,—Schuknecht, H. F. ....429

Pendulums, Traveling Waves and the Cochlea,—v. Bekeasy, G. ....317

Perforations, Tympanic, Office Closure of,—Juers, A. L. ....1207

Pernasal Trans-Sphenoidal Yttrium Implant of the Hypophysis,—Ironsides, W. M. S., and Moseley, R. D., Jr. ....711

Physiological Discussion on the Neural Mechanism in Audition,—Tasaki, Ichiji .....401

Poliomyelitis, Laryngologic Experience in Bulbar,—Lebo, C. P. 2030

Polyp, Nasal, Experiences in the Treatment of the Allergic Nasal Polyp by the Intrapolyp Injection of Prednisolone T.B.A.,—Myers, David .....1

Postmortem Changes and Artifacts in Human Temporal Bones,—Fernandez, Cesar .....1586

Practicability of Immediate Fenestration After Stapes Mobilization Failure,—Anthony, W. P. ....1950

Prednisolone T.B.A., Experiences in the Treatment of the Allergic Nasal Polyp by the Intrapolyp Injection of,—Myers, David .....1

Preliminary Report on Pathogenesis of Dermatoses of the External Auditory Canal. Twenty Cases of Acute Diffuse External Otitis Due to Deep Infections,—Jones, E. H., and Norman, T. D. ....839

Pressure Recording, A Device for Intra-Esophageal and Other Intra-Lumen,—Field, A. S. Jr. ....1160

Primary Closure of the Radical Mastoidectomy Wound, A Technique to Eliminate Postoperative Care,—Rambo, J. H. T. ....1216

Problems in the Diagnosis of Pharyngeal Paresis,—Kirchner, J. A. ....1641

Problems That Confront the Rhinologist,—Ogura, J. H. ....1507

Procaine Convulsions,—Keohane, John .....2096

Process of Sound Conduction,—Lawrence, M. ....328

Proposed Audiology Centre of the National Centre for the Deaf in India,—Amesur, C. A., and Satyanarayana, C. ....675

Pseudo-Vertigo from True Cholesteatoma of the Skull,—Baron, S. H. ....1004

## R

"Raincoat" Respirator, Emerson, General Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery, Employing the,—Shane, S. M.; Ashman, H.; Welfield, A.; Snyder, J.; Michelson, E., and Navratil, D. ....25

Reconstructive Nasal Surgery. Symposium. Moderator: Taylor, Ronald. Panel: Ogura, J. H.; Owens, Harold; Williams, R. I. Discussion: Goldman, I. B., and Proetz, A. W. ....1507



- Report of a Recent Study on Dihydrostreptomycin Otolotoxicity,—Glorig, Aram .....1013
- Results of Fenestration After Stapes Mobilization,—Goodman, A. C.; Bilger, R. C., and Walsh, T. E. ....1663
- Results of Tympanoplasty. A Comparative Study of 76 Tympanoplasties, Contrasted with Modified Radical and Radical Mastoidectomies,—Proctor, B. ....888
- Results with Chisels in Stapes Mobilization,—Schuknecht, H. F.; Graham, A. B., and Costello, Mary R. ....726
- Review of Available Literature on the Larynx for 1957,—LeJeune, F. E., and Lynch, Mercer .....1841
- Rhinomanometry in Some Rhinologic Diseases,—Ogura, J. H., and Stokstead, Poul .....2001
- Rhinoplastic Approach for Dermoid Cysts of the Nasal Dorsum. Report of Three Cases,—Riggs, R. H. ....699
- Rhinoplastic Surgery, Anatomical Observations for,—Luongo, R. A., and Luongo, R. A., Jr. ....1076
- Rhinoplasty, Evaluation of the Orthopedic Septocolumellar Suture in,—Fred, G. B. ....1700
- S**
- Salpingoscope, Differential; A New Device for Tubal Auscultation,—Arnold, G. E. ....1978
- Sandostene,® The Control of Itching of the External Ear with,—Rubin, W., and Anderson, J. R. ....189
- Sinuses, Paranasal, The Nose and,—Kobrak, H., and Henry, G. A. ....1553
- Sinuses, Treatment of Fractures of the Frontal and Ethmoid,—McHugh, H. E. ....1616
- Sinusitis in Children, Management of,—Lake, C. F. ....1069
- Sinus, Irrigation of the Maxillary, Through the Middle Meatus,—Myerson, M. C. ....1555
- Sinus Symptoms Originating from Modern Flight,—Bear, S. H. ....1057
- Soft Tissue Roentgenography of the Nasopharynx for Adenoids,—Goldman, J. L., and Bachman, A. L. ....1288
- Some Clinical Features of Sound Conduction,—Cawthorne, Terence .....354
- Some Similarities Between Hearing and Seeing,—Stevens, S. S. ....508
- Sound Conduction, Process of,—Lawrence, Merle .....328
- Stapes and Fenestra Ovalis, Experimental Studies in Fixation of the,—Fernandez, Cesar; Allen, G. W., and Lindsay, J. R. ....1881
- Stapes Footplate Fixation, Congenital. A Preliminary Report of Twenty-Three Operated Cases,—House, H. P.; House, W. F., and Hildyard, V. H. ....1389
- Stapes Mobilization Failure, Practicability of Immediate Fenestration After,—Anthony, W. P. ....1950
- Stapes Mobilization, Lasting Results at One and Two Years,—Meurman, Y., and Meurman, O. H. ....18
- Stapes, Mobilization of the, Malformations and Anatomical Variations Seen in the Middle Ear During the Operation for,—Hough, J. D. V. ....1337
- Stapes Mobilization, Results of Chisels in,—Schuknecht, H. F.; Graham, A. B., and Costello, Mary R. ....726
- Stapes Mobilization, Results of Fenestration After,—Goodman, A. C.; Bilger, R. C., and Walsh, T. E. ....1663
- Stapes Mobilization Two Years Later, Symposium: Moderator, House, H. P. Panel: Lawrence, Merle; Lindsay, J. R.; Goodhill, V.; Shambaugh, G. E., Jr.; Kos, C. M.; Fowler, E. P., Jr.; Melt-



XI.

zer, P. E.; Rosen, S., and House, H. P. ....	1403
Stapes Operability, Pathological Indications for Mobilization and Fenestration Surgery,—Farrior, J. B. ....	947
Stapes Surgery, A Guide for, Based on a New Surgical Classification of Otosclerosis,—Bellucci, R. J. ....	741
Stapedio-Vestibular Osteotomy in Otosclerosis,—Portmann, M., and Claverie, G. ....	797
Studies of Factors Considered Responsible for Diseases of the External Ear. I. Survival of Exogenous Bacteria in the External Auditory Canal Under Varied Conditions,—Senturia, B. H., and Carr, C. D. ....	2052
Studies of Factors Considered Responsible for Diseases of the External Auditory Canal. II. Evaluation of Temperature and Humidity as They Influence the Amount of Ether-Soluble Substances in the External Auditory Canal,—Baumann, Elizabeth S.; Gessert, C. F., and Senturia, B. H. ....	2080
Sub-maxillary Salivary Flow. A Test of Chorda Tympani Nerve Function as an Aid in Diagnosis and Prognosis of Facial Nerve Paralysis,—Magielski, J. E., and Blatt, I. M. ....	1770
Summary and Remarks (Symposium on Tympanoplasty),—Cawthorne, Terence ....	1490
Supraglottic Subtotal Laryngectomy and Radical Neck Dissection for Carcinoma of the Epiglottis,—Ogura, J. H. ....	983
Surgical Management Phase (Symposium: Reconstructive Nasal Surgery),—Williams, R. I. ....	1518
Surgery, Pathological Indications for Mobilization and Fenestration, Stapes Operability,—Farrior, J. B. ....	947
Symposium: Modern Criteria for Diagnosis and Therapy of Malignant Disease in the Upper Res-	
piratory Tract. Moderator: Hilger, J. A. Panel: Tabb, H. G.; Work, W. P., and Conley, J. J. ....	1532
Symposium: Reconstructive Nasal Surgery,—Moderator: Taylor, Ronald. Panel: Ogura, J. H.; Owens, Harold; Williams, R. I.; Discussion: Goldman, I. B., and Proetz, A. W. ....	1507
Symposium: Stapes Mobilization Two Years Later,—Moderator: House, H. P. Panel: Lawrence, Merle; Lindsay, J. R.; Goodhill, V.; Shambaugh, G. E., Jr.; Kos, C. M.; Fowler, E. P., Jr.; Meltzer, P. E.; Rosen, S., and House, H. P. ....	1403
Symposium: Tympanoplasty,—Moderator: Sooy, F. A. Panel: Goodhill, V.; House, L. R., and Cawthorne, Terence ....	1455
T	
Technique of Extended Frontolateral Parietal Laryngectomy,—Norris, C. M. ....	1240
Temporal Bones, Postmortem Changes and Artifacts in Human,—Fernandez, Cesar ....	1586
Temporary Hearing Loss at 4,000 c.p.s. as a Function of a Three-Minute Exposure to a Noise of Uniform Spectral Level,—Miller, J. D. ....	660
Tetracaine and Cocaine, The Absorption of Topically Applied,—Adriani, J., and Campbell, D. ....	65
Theoretical Discussion of Dr. H. Davis' Paper on Transmission and Transduction,—Licklider, J. C. R. ....	382
The Absorption of Topically Applied Tetracaine and Cocaine,—Adriani, J., and Campbell, D. ....	65
The Acoustic Probe and the Determination of Stapedial Fixation,—Meurman, O. H. ....	630
The Control of Itching of the External Ear with Sandostene®,—Rubin, W., and Anderson, J. R. ....	139
The Management of Hyperkera-	

## XII.

## INDEX.

- tosis of the Larynx,—Cracovan-  
er, A. J. ....1494
- The Motor Activity of the Crico-  
pharyngeus Muscle,—Kirchner,  
J. A. ....1119
- The Nasal Cavity and Paranasal  
Sinuses,—Tabb, H. G. ....1540
- The Nose and Paranasal Si-  
nuses,—Kobrak, H., and Henry,  
G. A. ....1553
- The Routine Bleeding and Clotting  
Time Tests: Their Medico-Legal  
Status,—Fletcher, R. ....1087
- The Surgical Physiology of Tym-  
panoplasty,—Goodhill, V. ....1455
- The Treatment of Polypoid Laryn-  
gitis,—Lowenthal, G. ....1095
- The Use of Antibiotic Steroid Com-  
binations as Nebulizing Agents  
in the Treatment of Laryngeal  
Conditions. A Preliminary Re-  
port,—Silverblatt, B. L. ....1081
- The Wonder Drugs, A Psycho-  
social Phenomenon,—Coleman,  
L. L. ....919
- Topical Anesthesia for Broncho-  
scopy,—McKinney, J. R. ....1814
- Tracheo-Malacia, Case of, Follow-  
ing Removal of Adenoma of  
Thyroid Gland,—Kassay, Dezzo. ....1451
- Tracheotomy: Its Present Day Ap-  
plication,—Skolnik, E. M., and  
Fornatto, E. J. ....32
- Transitional Cell Type Squamous  
Carcinoma of the External Ear  
Canal,—Mehra, Y. N. ....1983
- Transmission and Transduction in  
the Cochlea,—Davis, Hallowell. ....359
- Transmission and Transduction in  
the Cochlea,—Lindsay, J. R. ....385
- Treatment of Fractures of the  
Frontal and Ethmoid Sinuses,—  
McHugh, H. E. ....1616
- Triplet Testing and Training, An  
Approach to Band Discrimina-  
tion and Its Monaural or Bin-  
aural Summation,—Huizing, H.  
C., and Taselaar, M. ....535
- Tumor, Histologically Malignant  
Glomus Jugulare. (Case Re-  
port),—Hoople, G. D.; Bradley,  
W. H.; Stoner, L. R., and Brew-  
er, D. W. ....760
- Tumors, Carotid Body. Report of  
One Case,—Montreuil, Fernand. ....1182
- Tumors, Unusual of the Tonsil  
Area,—Jordan, L. W. ....1044
- Tympanoplasty, A Technique of  
(Tympanomalleolar Stapedio-  
pexy),—Bell, H. L. ....883
- Tympanoplasty, Early Experiences  
with (Wullstein Technique),—  
Lewis, M. L. ....900
- Tympanoplasty. (Symposium,—  
Moderator: Sooy, F. A.) Panel:  
Goodhill, V.; House, L. P., and  
Cawthorne, Terence ....1455
- U
- Unilateral Paralysis of Vocal Cord  
Following Administration of  
Tetanus Antitoxin (TAT),—  
Basek, Milos ....805
- Unusual Tumors of the Tonsil  
Area,—Jordan, L. W. ....1044
- V
- Vestigial Structures, New Con-  
cepts of Surgical Correlation of  
Surgical Anatomy and Embryol-  
ogy in Lateral Cervical,—Himal-  
stein, M. R. ....1727
- Vocal Cord, Unilateral Paralysis  
of, Following Administration of  
Tetanus Antitoxin (TAT),—  
Basek, Milos ....805
- Y
- Yttrium Implant of the Hypo-  
physis, Pernasal Trans-Sphenoid-  
al,—Ironsides, W. M. S., and  
Moseley, R. D., Jr. ....711

## AUTHORS

## A

- ADRIANI, J., and CAMPBELL, D.—  
The Absorption of Topically Ap-  
plied Tetracaine and Cocaine.....65
- ALLEN, G. W.; FERNANDEZ, CESAR,  
and LINDSAY, J. R.—Experiment-  
al Studies in Fixation of the  
Stapes and Fenestra Ovalis .....1881
- AMESUR, C. A., and SATYANARAYA-  
NA, C.—Proposed Audiologic  
Centre of the National Centre  
for the Deaf in India .....675
- ANSON, B. J., and BAST, T. H.—De-  
velopmental Anatomy of the  
Temporal Bone and Auditory  
Ossicles in Relation to Some  
Problems in Endaural Surgery....1380
- ANDERSON, J. R., and RUBIN, W.—  
The Control of Itching of the  
External Ear with Sandostene®....189
- ANTHONY, W. P.—Practicability of  
Immediate Fenestration After  
Stapes Mobilization Failure .....1950
- ANTOLI-CANDELA, FRANCISCO; AN-  
TOLI-CANDELA, FERNANDO; OLAI-  
ZOLO, F., and SAFT, L.—Direct  
Audiometry in Audiosurgery  
(Abstract) .....635
- ANTOLI-CANDELA, FERNAND; ANTOLI-  
CANDELA, FRANCISCO; OLAIZOLO,  
F., and SAFT, L.—Direct Audi-  
ometry in Audiosurgery (Ab-  
stract) .....635
- ARNOLD, G. E.—Differential Sal-  
pingoscope; A New Device for  
Tubal Auscultation .....1978
- ARNOLD, G. E.—Dysplastic Dys-  
phonia: Minor Anomalies of the  
Vocal Cords Causing Persistent  
Hoarseness .....142
- ASHMAN, H.; SHANE, S. M.; WEL-  
FIELD, A.; SNYDER, J.; MICHEL-  
SON, E., and NAVRATH, D.—Gen-  
eral Anesthesia in Broncho-  
scopy, Esophagoscopy and Laryn-  
geal Surgery Employing the  
Emerson "Raincoat" Respirator....25

## B

- BACHMAN, A. L., and GOLDMAN, J.  
L.—Soft Tissue Roentgenog-  
raphy of the Nasopharynx for  
Adenoids .....1288
- BARON, S. H.—Does Irradiation of  
Infants and Children Cause  
Cancer of the Thyroid? .....1267
- BARON, S. H.—Pseudo-Vertigo from  
True Cholesteatoma of the  
Skull .....1004
- BASEK, MILOS—Unilateral Paralys-  
is of Vocal Cord Following Ad-  
ministration of Tetanus Anti-  
toxin (TAT) .....805
- BAST, T. H., and ANSON, B. J.—De-  
velopmental Anatomy of the  
Temporal Bone and Auditory  
Ossicles in Relation to Some  
Problems in Endaural Surgery....1380
- BAUMANN, ELIZABETH S.; GESSERT,  
C. F., and SENTURIA, B. H.—  
Studies of Factors Considered  
Responsible for Diseases of the  
External Auditory Canal. II.  
Evaluation of Temperature and  
Humidity as They Influence the  
Amount of Ether-Soluble Sub-  
stances in the External Auditory  
Canal .....2080
- BEAR, S. H.—Sinus Symptoms  
Originating from Modern  
Flight .....1057
- BEATTIE, E. J., JR., and CORRELL,  
N. O.—Experimental Observa-  
tions on Squamous Metaplasia of  
the Trachea .....1036
- BELL, H. L.—A Technique of Tym-  
panoplasty (Tympano-malleolar  
Stapedioplexy) .....883
- BELLUCCI, R. J.—A Guide for  
Stapes Surgery Based on a New  
Surgical Classification of Oto-  
sclerosis .....741
- BERGMAN, MOE, and ROSEN, S.—  
Applications and Limitations of  
Auditory Tests in Surgery of the  
Stapes .....629
- BILGER, R. C.; GOODMAN, A. C., and  
WALSH, T. E.—Results of Fenes-

- tration After Stapes Mobilization .....1667
- BLATT, I. M., and FURSTENBERG, A. C.—Intermittent Parotid Swelling Due to Ill-Fitting Dentures. An Entity; Its Diagnosis and Treatment .....1165
- BLATT, I. M., and MACIELSKI, J. E. — Submaxillary Salivary Flow: A Test of Chorda Tympani Nerve Function as an Aid in Diagnosis and Prognosis of Facial Nerve Paralysis .....1770
- BRADLEY, W. H.; HOOPLE, G. D.; STONER, L. R., and BREWER, D. W. — Histologically Malignant Glomus Jugulare Tumor (Case Report) .....760
- BREWER, D. W.; HOOPLE, G. D.; BRADLEY, W. H., and STONER, L. R. — Histologically Malignant Glomus Jugulare Tumor .....760
- BOCCA, ETTORE—Clinical Aspects of Cortical Deafness .....301
- C
- CAMPBELL, D., and ADRIANI, J.—The Absorption of Topically Applied Tetracaine and Cocaine.....65
- CARHART, RAYMOND — Audiometry in Diagnosis .....253
- CARR, C. D., and SENTURIA, B. H.—Studies of Factors Considered Responsible for Diseases of the External Ear. I. Survival of Exogenous Bacteria in the External Auditory Canal Under Varied Conditions .....2052
- CAWTHORNE, TERENCE — Julius Caesar and the Falling Sickness 1442
- CAWTHORNE, TERENCE—Some Clinical Features of Sound Conduction .....354
- CAWTHORNE, TERENCE — Summary and Remarks (Symposium on Tympanoplasty) .....1490
- CHONG, A. T.; FITZ-HUGH, G. S., and SMITH, D. E.—Pathology of Three Hundred Clinically Benign Lesions of the Vocal Cords.....855
- CLAVERIE, GILBERT, and PORTMANN, MICHEL — Stapedio-Vestibular Osteotomy in Otosclerosis .....797
- CONLEY, J. J.—Modern Criteria for Diagnosis and Therapy of Malignant Disease in the Upper Respiratory Tract .....1549
- CONTU, PAOLO—Observations and Considerations About the Cochlear Innervation of the Cat .....586
- CORRELL, N. O., and BEATTIE, E. J., Jr.—Experimental Observations on Squamous Metaplasia of the Trachea .....1036
- COSTELLO, MARY R.; SCHUKNECHT, H. F., and GRAHAM, A. B.—Results with Chisels in Stapes Mobilization .....726
- COVELL, W. P., and ELDRIDGE, D. H.—A Laboratory Method for the Study of Acoustic Trauma.....465
- COX, J. R.—Noise in Industry.....440
- CRACOVANER, A. J.—The Management of Hyperkeratosis of the Larynx .....1491
- CURRIER, W. D.—Combined Nutritional and Psychomatic Management of Mucosal Disease. The Stress Concept Applied to the Treatment of Ear, Nose and Throat Diseases .....1819
- D
- DAVIS, H.; ROSENBLUT, R.; DEATHERAGE, B. H.; FERNANDEZ, C.; KIMURA, R., and SMITH, C. A.—Modification of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction .....596
- DAVIS, H.; SMITH, C. A., and GESSERT, C. F.—D.C. Potentials of the Membranous Labyrinth .....595
- DAVISON, F. W.—Middle Ear Effusion—Systemic Factors .....1228
- DEATHERAGE, B. H.; DAVIS, H.; ROSENBLUT, B.; FERNANDEZ, C.; KIMURA, R., and SMITH, C. A.—Modification of Cochlear Potentials Produced by Streptomycin

- cin Poisoning and by Extensive Venous Obstruction .....596
- DERBYSHIRE, A. J., and McDERMOTT, M.—Further Contributions to the E.E.G. Method of Evaluating Auditory Function .....558
- DE SA, GERALDO—Audiologic Findings in Central Nerve Deafness.....309
- DE SA, GERALDO—Behavior of the Neuroglia of the Acoustic Nuclei, Subcortical Centers and Auditory Cortex of Cats Intoxicated with Dihydrostreptomycin.....571
- DEWESE, D. D.—Four Unusual Cases of Temporal Bone Disease .....1028
- DOLOWITZ, D. A.; DOUGHERTY, T. F.; and HIGGINBOTHAM, R. D.—Effect of Hormones on Hypogammaglobulinemia .....1182
- DOUGHERTY, T. F.; DOLOWITZ, D. A., and HIGGINBOTHAM, R. D.—Effect of Hormones on Hypogammaglobulinemia .....1182
- DREHER, J. J., and O'NEILL, J. J.—Effects of Ambient Noise on Speaker Intelligibility of Words and Phrases .....539
- E**
- ELDRIDGE, D. H., and COVELL, W. P.—A Laboratory Method for the Study of Acoustic Trauma.....465
- F**
- FARRIOR, J. B.—Stapes Operability. Pathological Indications for Mobilization and Fenestration Surgery .....947
- FERNANDEZ, C.; DAVIS, H.; DEATHERAGE, B. H.; ROSENBLUT, B.; KIMURA, R., and SMITH, C. A.—Modification of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction .....596
- FERNANDEZ, CESAR; ALLEN, G. W., and LINDSAY, J. R.—Experimental Studies in Fixation of the Stapes and Fenestra Ovalis .....1881
- FERNANDEZ, CESAR — Postmortem Changes and Artifacts in Human Temporal Bones .....1586
- FIELD, A. S., JR.—A Device for Intra-Esophageal and Other Intraluminal Pressure Recording .....1160
- FITZ-HUGH, G. S.; SMITH, D. E., and CHONG, A. T.—Pathology of Three Hundred Clinically Benign Lesions of the Vocal Cords.....855
- FLETCHER, R.—The Routine Bleeding and Clotting Time Tests. Their Medico-legal Status .....1087
- FORNATTO, E. J., and SKOLNIK, E. M.—Tracheotomy: Its Present Day Application .....32
- FOWLER, E. P., JR.—Medical and Surgical Treatment of Bell's Palsy .....1655
- FRED, G. B.—Evaluation of the Orthopedic Septocolumellar Suture in Rhinoplasty .....1700
- FURSTENBERG, A. C., and BLATT, I. M.—Intermittent Parotid Swelling Due to Ill-Fitting Dentures. An Entity; Its Diagnosis and Treatment .....1165
- G**
- GALAMBOS, ROBERT—Neural Mechanisms in Audition .....388
- GERALL, A. A., and LOWY, KARL—Neurally Isolated Cochlea (Abstract) .....628
- GESSELT, C. F.; SENTURIA, B. H., and BAUMANN, ELIZABETH S.—Studies of Factors Considered Responsible for Diseases of the External Auditory Canal. II. Evaluation of Temperature and Humidity as They Influence the Amount of Ether-Soluble Substances in the External Auditory Canal .....2080
- GESSELT, C. F.; SMITH, C. A., and DAVIS, H.—DC. Potentials of the Membranous Labyrinth .....595
- GLORIG, ARAM; GRINGS, W., and SUMMERFIELD, ANNE—Hearing Loss in Industry .....447

- GLORIG, ARAM—Report of a Recent Study on Dihydrostreptomycin Ototoxicity .....1013
- GOLDMAN, J. L., and BACHMAN, A. L.—Soft Tissue Roentgenography of the Nasopharynx for Adenoids .....1288
- GOLDSTEIN, R., and WITHROW, F. B., JR.—An Electrophysiologic Procedure for Determination of Auditory Threshold in Children.....1674
- GOODHILL, V.—The Surgical Physiology of Tympanoplasty .....1455
- GOODMAN, A. C.; BILGER, R. C., and WALSH, T. E.—Results of Fenestration After Stapes Mobilization .....1663
- GRAHAM, A. B.; SCHUKNECHT, H. F., and COSTELLO, MARY R.—Results with Chisels in Stapes Mobilization .....726
- GREENBERG, S. D., and LEJEUNE, F. E., JR.—Mummified Epidermal Cyst: Calcified Epithelioma of Malherbe .....1706
- GRINGS, W.; GLORIG, ARAM, and SUMMERFIELD, ANNE—Hearing Loss in Industry .....447
- GUILFORD, F. R., and HAUG, OLAF—A Clinical Look at Progress in Evaluation of Hearing Function .....1313
- GUILFORD, F. R., and WRIGHT, W. K.—Basic Techniques in Myringoplasty and Tympanoplasty.....825
- GUILLEMIN, V., JR., and TOROK, N.—Nystagmograph for Clinical Use .....120
- H
- HAMMOND, A. E.—Cancer of the Larynx. Report of an Advanced Case Surviving 22 Years .....876
- HARBERT, F.—Paraorbital Lesions.....907
- HARRIS, H. H.—Fixation of Fractures in the Middle Third of the Face, with Kirschner Wires.....95
- HARRIS, J. D.—An Attempted Synthesis of Psycho-Acoustic Test Data in the Audiological Clinic.....527
- HAUG, OLAF, and GUILFORD, F. R.—A Clinical Look at Progress in Evaluation of Hearing Function .....1313
- HENNER, ROBERT, and JEANTET, COLETTE — Atticomastoidectomy in Chronic Otitis Media with Central Perforation .....780
- HENRY, G. A.—An Objective Approach to the Complaint, Lump in the Throat .....1257
- HENRY, G. A., and KOBRAK, H.—The Nose and Paranasal Sinuses .....1553
- HIGGINBOTHAM, R. D.; DOUGHERTY, T. F., and DOLOWITZ, D. A.—Effect of Hormones on Hypogammaglobulinemia .....1182
- HILDYARD, V. H.; HOUSE, H. P., and HOUSE, W. F.—Congenital Stapes Footplate Fixation. A Preliminary Report of Twenty-Three Operated Cases .....1389
- HILGER, J. A.—Cancer of the Nasopharynx and Oropharynx .....1532
- HIMALSTEIN, M. R.—New Concept in Correlation of Surgical Anatomy and Embryology in Lateral Cervical Vestigial Structures.....1727
- HOOPLE, G. D.—Comments on a Fourth Year of Training for Certification in Otolaryngology.....1579
- HOOPLE, G. D.; BRADLEY, W. H.; STONER, L. R., and BREWER, D. W. — Histologically Malignant Glomus Jugulare Tumor .....760
- HOOPLE, G. D. — Noise-Induced Hearing Loss. Diagnosis, Presbycusis Susceptibility .....477
- HOPP, E. S.—Cytologic Diagnosis and Prognosis in Carcinoma of the Mouth, Pharynx and Nasopharynx .....1281
- HORMIA, A. L.—Difference Limen of Intensity in Hearing Impairment Due to Craniocerebral Injury .....808
- HOUGH, J. D. V.—Malformations

# INDEX.

XVII.

- and Anatomical Variations Seen in the Middle Ear During the Operation for Mobilization of the Stapes .....1337
- HOUSE, L. R.—Clinical Experiences in Tympanoplasty. Results in Sixty-One Cases .....1481
- HOUSE, H. P.; HOUSE, W. F., and HILDYARD, V. H. — Congenital Footplate Fixation. A Preliminary Report of Twenty-Three Operated Cases .....1389
- HUIZING, H. C., and TASELAAR, M.—Triplet Testing and Training. An Approach to Band Discrimination and Its Monaural or Binaural Summation .....535
- I
- IRONSIDE, W. M. S., and MOSELEY, R. D., JR. — Pernasal Transsphenoidal Yttrium Implant of the Hypophysis .....711
- J
- JEANTET, COLETTE, and HENNER, ROBERT—Atticotomy in Chronic Otitis Media with Central Perforation .....780
- JESBERG, NORMAN — Carcinoma of the Larynx. Contralateral Metastasis in Lesions Approaching the Midline .....1251
- JORDAN, L. W.—Unusual Tumors of the Tonsil Area .....1044
- JUERS, A. L.—Office Closure of Tympanic Perforations .....1207
- K
- KAPLAN, HARRIET, and SIEGENTHALER, B. M.—A Comparison of Picture Response and Hand Raising Techniques for Pure Tone Audiometry with Young Children.....548
- KASSAY, DEZSO—Case of Tracheomalacia Following Removal of Adenoma of Thyroid Gland.....1451
- KELLER, A. P., JR.—A Study of the Relationship of Air Pressure to Myringorupture .....2015
- KEOHANE, J.—A Case of Unusual Congenital Fistula of the Auricle .....63
- KIMURA, R.; DAVIS, H.; DEATHERAGE, B. H.; ROSENBLUT, B.; FERNANDEZ, C., and SMITH, C. A.—Modification of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction .....596
- KING, R. B.—Clinical Discussion (Neurosurgery) of Paper on the Function of the Auditory Cortex by Dr. W. D. Neff .....424
- KIRCHNER, J. A.—Problems in the Diagnosis of Pharyngeal Paresis .....1641
- KIRCHNER, J. A.—The Motor Activity of the Cricopharyngeus Muscle .....1119
- KNUDSEN, E. J.; RASMUSSEN, H.; RUBEN, H., and TRAU-PEDERSEN, P. — Anesthesia Methods for Bronchoscopy and Their Usefulness in Practice .....133
- KOBRAK, H., and HENRY, G. A.—The Nose and Paranasal Sinuses .....1553
- L
- LAKE, C. F.—Management of Sinusitis in Children .....1069
- LAWRENCE, MERLE — Process of Sound Conduction .....328
- LEBO, C. P.—Laryngologic Experience in Bulbar Poliomyelitis.....2030
- LEJEUNE, F. E., and GREENBERG, S. D.—Mummified Epidermal Cyst. Calcified Epithelioma of Malherbe .....1706
- LEJEUNE, F. E., and LYNCH, MERCE—Review of Available Literature on the Larynx for 1957 .....1841
- LICKLIDER, J. C. R.—Theoretical Discussion of Dr. H. Davis' Paper on "Transmission and Transduction in the Cochlea" .....382
- LINDSAY, J. R.—Transmission and Transduction in the Cochlea.....385



- LINDSAY, J. R.; FERNANDEZ, CESAR, and ALLEN, G. W.—Experimental Studies in Fixation of the Stapes and Fenestra Ovalis.....1881
- LOWENTHAL, G.—The Treatment of Polypoid Laryngitis .....1095
- LOWY, KARL, and GERALD, A. A.—Neurally Isolated Cochlea (Abstract) .....623
- LUONGO, R. A., and LUONGO, R. A., JR. — Anatomical Observations for Rhinoplastic Surgery .....1076
- LYNCH, MERCER, and LEJEUNE, F. E.—Review of Available Literature on the Larynx for 1957 .....1841

## M

- MAGIELSKI, J. E., and YANTIS, P.—Aural-Harmonic and Bone Conduction Thresholds in the Evaluation of Cochlear Reserve in Clinical Otosclerosis .....159
- MCDERMOTT, M., and DERBYSHIRE, A. J.—Further Contributions to the E.E.G. Method of Evaluating Auditory Function .....558
- MC HUGH, H. E.—Treatment of Fractures of the Frontal and Ethmoid Sinuses .....1616
- McKINNEY, J. R. — Topical Anesthesia for Bronchoscopy .....1814
- MAGIELSKI, J. E., and BLATT, I. M. — Submaxillary Salivary Flow: A Test of Chorda Tympani Nerve Function as an Aid in Diagnosis and Prognosis of Facial Nerve Paralysis .....1770
- MEHRA, Y. N.—Transitional Cell Type Squamous Cell Carcinoma of the External Ear Canal .....1983
- MEURMAN, Y., and MEURMAN, O. H.—Stapes Mobilization. Lasting Results at One and Two Years .....18
- MEURMAN, O. H.—The Acoustic Probe and the Determination of Stapedial Fixation .....630
- MICHELSON, E.; SHANE, S. M.; ASHMAN, H.; WELFIELD, A.; SNYDER, J., and NAVRATIL, D.—General

- Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery Employing the Emerson "Raincoat" Respirator .....25
- MILLER, J. D.—Temporary Hearing Loss at 4,000 c.p.s. as a Function of a Three-Minute Exposure to a Noise of Uniform Spectral Level.....660
- MOLLER, A. R.—Intra-Aural Muscle Contraction in Man Examined by Measuring Acoustic Impedance of the Ear .....48
- MONTREUIL, FERNAND — Carotid Body Tumors. Report of One Case .....1191

- MOSELEY, R. D., JR., and IRONSIDE, W. M. S. — Pernasal Trans-Sphenoidal Yttrium Implant of the Hypophysis .....711
- MUFTIC, M. K.—Eustachian Tube Biopsy Cannula .....131
- MYERS, DAVID—Experiences in the Treatment of the Allergic Nasal Polyp by the Intrapolyp Injection of Prednisolone T.B.A. ....1
- MYERSON, M. C.—Irrigation of the Maxillary Sinus Through the Middle Meatus .....1555

## N

- NAKAMURA, F.; UYEDA, Y., and SONODA, Y.—Electromyographic Study on Respiratory Movements of the Intrinsic Laryngeal Muscles .....109
- NAUNTON, R. F.—Clinical Bone Conduction Audiometry at the Frontal Bone (Abstract) .....671
- NAVRATIL, D.; SHANE, S. M.; ASHMAN, H.; WELFIELD, A.; SNYDER, J., and MICHELSON, E.—General Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery Employing the Emerson "Raincoat" Respirator .....25
- NEFF, W. D.—Functions of the Auditory Cortex .....413
- NORRIS, C. M.—Technique of Extended Fronto-Lateral Parietal Laryngectomy .....1240

O

OBREGON, G.—A Technical Aid in Adenoidectomy .....	73
OGURA, J. H., and STOKSTEAD, POUL — Rhinomanometry in Some Rhinologic Diseases .....	2001
OGURA, J. H.—Supraglottic Subtotal Laryngectomy and Radical Neck Dissection for Carcinoma of the Epiglottis .....	983
OLIAZOLA, F.; ANTOLI-CANDELA, FRANCISCO; ANTOLI-CANDELA, FERNANDO, and SAFT, L.—Direct Audiometry in Audiosurgery .....	635
O'NEILL, J. J., and DREHER, J. J.—Effects of Ambient Noise on Speaker Intelligibility of Words and Phrases .....	539
OWENS, HAROLD—How Do You Go About Making a Diagnosis of Some of the More Important Rhinologic Deformities? .....	1515

P

PALVA, TAUNA—Cochlear vs. Retrocochlear Lesions .....	288
PORTMANN, MICHEL, and CLAVERIE, GILBERT — Stapedio-Vestibular Osteotomy in Otosclerosis .....	797
PRIEST, R. E.—Controversial Aspects of the Treatment of Laryngeal Keratosis .....	766
PROCTOR, BRUCE—Results of Tympanoplasty. A Comparative Study of 76 Tympanoplasties, Contrasted with Modified Radical and Radical Mastoidectomies .....	888

R

RAMBO, J. H. T.—Primary Closure of the Radical Mastoidectomy Wound. A Technique to Eliminate Postoperative Care .....	1216
RASMUSSEN, G. L. — Anatomical Discussion of the Paper Given by Dr. R. Galambos on "Neural Mechanism in Audition" .....	404
RASMUSSEN, H.; KNUDSEN, E. J.; RUBEN, H., and TRAUN-PEDERSEN, P. — Anesthesia Methods for	

Bronchoscopy and Their Usefulness in Practice .....	133
RIESCO, J. S. MACCLURE—Clinical Discussion of Paper "Neural Mechanism in Audition" .....	406
RIGGS, R. H. — Rhinoplastic Approach for Dermoid Cysts of the Nasal Dorsum. Report of Three Cases .....	699
ROSEN, S., and BERGMAN, MOE—Applications and Limitations of Auditory Tests in Surgery of the Stapes .....	629
ROSENBLITH, W. A.—Establishment of Criteria Based on the Concept of Noise Exposure .....	497
ROSENBLUTH, B.; DAVIS, H.; DEATHERAGE, B. H.; FERNANDEZ, C.; KIMURA, R., and SMITH, C. A.—Modification of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction .....	596
RUBIN, J. A.—Congenital Bilateral Complete Bony Choanal Atresia .....	2094
RUBEN, H.; KNUDSEN, E. J.; RASMUSSEN, H., and TRAUN-PEDERSEN, P.—Anesthesia Methods for Bronchoscopy and Their Usefulness in Practice .....	133
RUBIN, W., and ANDERSON, J. R.—The Control of Itching of the External Ear with Sandostene® .....	189

S

SAFT, L.; ANTOLI-CANDELA, FRANCISCO; ANTOLI-CANDELA, FERNANDO, and OLIAZOLA, F.—Direct Audiometry in Audiosurgery .....	635
SATYANARAYANA, C., and AMESUR, C. A. — Proposed Audiology Centre of the National Centre for the Deaf in India .....	675
SCHUKNECHT, H. F. — Acetylcholinesterase and the Olivo-Cochlear Tract of Rasmussen (Abstract) .....	627
SCHUKNECHT, H. F. — Perceptive Hearing Loss .....	429
SCHUKNECHT, H. F.; GRAHAM, A.	

- B., and COSTELLO, MARY R.—Results with Chisels in Stapes Mobilization .....726
- SENTURIA, B. H., and CARR, C. D.—Studies of Factors Considered Responsible for Diseases of the External Ear. I. Survival of Exogenous Bacteria in the External Auditory Canal Under Varied Conditions .....2052
- SENTURIA, B. H.; BAUMANN, ELIZABETH S., and GESSERT, C. F.—Studies of Factors Considered Responsible for Diseases of the External Auditory Canal. II. Evaluation of Temperature and Humidity as They Influence the Amount of Ether-Soluble Substances in the External Auditory Canal .....2080
- SHANE, S. M.; ASHMAN, H.; WELFIELD, A.; SNYDER, J.; MICHELSON, E., and NAVRATIL, D.—General Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery, Employing the Emerson "Raincoat" Respirator .....25
- SHEEHY, J. L.—Osteoma of the External Auditory Canal .....1667
- SIEGENTHALER, B. M., and KAPLAN, HARRIET—A Comparison of Picture Response and Hand-Raising Techniques for Pure Tone Audiometry with Young Children .....548
- SILVERBLATT, B. L.—The Use of Antibiotic Steroid Combinations as Nebulizing Agents in the Treatment of Laryngeal Conditions. A Preliminary Report .....1081
- SKOLNIK, E. M.—Otologic Evaluation in Cleft Palate Patients .....1908
- SKOLNIK, E. M., and FORNATTO, E. J.—Tracheotomy: Its Present Day Application .....32
- SMITH, C. A.; DAVIS, HALLOWELL, and GESSERT, C. F.—DC Potentials of the Membranous Labyrinth (Abstract) .....595
- SMITH, C. A.; DAVIS, H.; DEATHERAGE, B. H.; ROSENBLUT, B.; FERNANDEZ, C., and KIMURA, R.—Modification of Cochlear Potentials Produced by Streptomycin Poisoning and by Extensive Venous Obstruction .....596
- SMITH, D. A.; FITZ-HUGH, G. S., and CHIONG, A. T.—Pathology of Three Hundred Clinically Benign Lesions of the Vocal Cords .....855
- SNYDER, J.; SHANE, S. M.; ASHMAN, H.; WELFIELD, A.; MICHELSON, E., and NAVRATIL, D.—General Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery Employing the Emerson "Raincoat" Respirator .....25
- SONODA, Y.; NAKAMURA, F., and UYEDA, Y.—Electromicrographic Study on Respiratory Movements of the Intrinsic Laryngeal Muscles .....109
- SPOOR, A., and VAN DISHOECK, H. A. E.—Auditory Fatigue and Occupational Deafness .....645
- STEVENS, S. S.—Some Similarities Between Hearing and Seeing .....508
- STOKSTEAD, POUL, and OGURA, J. H.—Rhinomanometry in Some Rhinologic Diseases .....2001
- STONER, L. R.; HOOPLE, G. D.; BRADLEY, W. H., and BREWER, D. W.—Histologically Malignant Glomus Jugulare Tumor .....760
- SUMMERFIELD, ANNE; GLORIG, ARAM, and GRINGS, W.—Hearing Loss in Industry .....447
- T
- TABB, H. G.—The Nasal Cavity and Paranasal Sinuses .....1540
- TASAKI, ICHII—Physiological Discussion on the Neural Mechanism in Audition .....401
- TASELAAR, M., and HUIZING, H. C.—Triplet Testing and Training. An Approach to Band Discrimination and Its Monaural or Binaural Summation .....535
- TOROK, N., and GUILLEMIN, V., JR.—Nystagmograph for Clinical Use .....120
- TRAUN-PEDERSEN, P.; KNUDSEN, E. J.; RASMUSSEN, H., and RUBEN, H.—Anesthesia Methods for

# INDEX.

XXI.

- Bronchoscopy and Their Usefulness in Practice .....133
- TUNTURI, A. R. — Discussion of Function of Auditory Cortex, by Dr. W. D. Neff .....419
- U**
- UYEDA, Y.; NAKAMURA, F., and SONODA, Y. — Electromyographic Study on Respiratory Movements of the Intrinsic Laryngeal Muscles .....109
- V**
- VAN DISHOCK, H. A. E., and SPOOR, A. — Auditory Fatigue and Occupational Deafness .....645
- VON BEKESY, G. — Pendulums, Traveling Waves and the Cochlea.....317
- VON GIERKE, H. E. — Discussion of Dr. Lawrence's Paper on "Process of Sound Conduction".....347
- W**
- WAGGONER, L. G. — Diagnosis and Management of Chemical Burns of the Esophagus .....1790
- WALSH, T. E. — Meniere's Disease.....279
- WALSH, T. E.; GOODMAN, A. C., and BILGER, R. C. — Results of Fenestration After Stapes Mobilization .....1663
- WELFIELD, A.; SHANE, S. M.; ASHMAN, H.; SNYDER, J.; MICHELSON, E., and NAVRATIL, D. — General Anesthesia in Bronchoscopy, Esophagoscopy and Laryngeal Surgery Employing the Emerson "Raincoat" Respirator.....25
- WILLIAMS, R. I. — Surgical Management Phase (Symposium: Reconstructive Nasal Surgery).....1518
- WITHROW, F. B., JR., and GOLDSTEIN, R. — An Electrophysiologic Procedure for Determination of Auditory Threshold in Children .....1674
- WORK, W. P. — Cancer of the Larynx and Pharynx .....1544
- WRIGHT, W. K., and GUILFORD, F. R. — Basic Techniques in Myringoplasty and Tympanoplasty.....825
- Y**
- YANTIS, P., and MAGIELSKI, J. E. — Aural-Harmonic and Bone Conduction Thresholds in the Evaluation of Cochlear Reserve in Clinical Otosclerosis .....159
- Z**
- ZWISLOCKI, J. — Ear Protection .....486
- IN MEMORIAM**
- CHEVALIER JACKSON .....2121
- GABRIEL TUCKER .....931
- D. E. S. WISHART .....1827